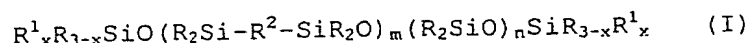


Claims:

1. The use of antimisting additives in crosslinkable
 5 silicone coating compositions for reducing the
 formation of aerosol, characterized in that use is
 made as antimisting additives of siloxane polymers
 containing branched alkenyl groups and preparable by
 reacting

10 α,ω -dialkenylsiloxane polymers (1) of the general
 formula



where R denotes identical or different,
 unhalogenated or halogenated hydrocarbon radicals
 15 having from 1 to 18 carbon atoms per radical,

R^1 is a terminally aliphatically unsaturated organic
 radical,

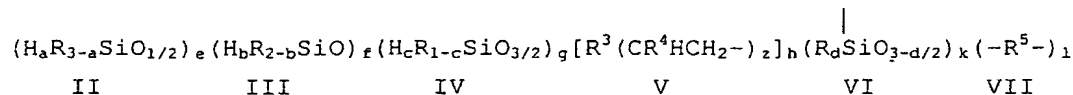
R^2 is a divalent organic radical having 2 to 30
 carbon atoms per radical or a divalent silane or
 20 siloxane radical having 2 to 10 Si units,

x can be identical or different and is 0 or 1, on
 average from 0.7 to 1.0,

m is 0 or an integer from 1 to 10,

and n is 0 or an integer from 1 to 1000,

25 with organosilicon compounds (2) containing at least
 3 Si-bonded hydrogen atoms per molecule and of the
 general formula



where R is as defined above,

30 R^3 is a trivalent to decavalent aliphatically
 saturated hydrocarbon radical having 1 to 20 carbon
 atoms, which may contain one or more heteroatoms
 selected from the group of oxygen, boron, silicon
 and titanium,

R⁴ is a hydrogen atom or an alkyl radical having from 1 to 6 carbon atoms per radical,

R⁵ is a divalent hydrocarbon radical having from 2 to 30 carbon atoms, which can be linear, branched or cyclic and may contain one or more separate oxygen atoms,

a is 0, 1, 2 or 3,

b is 0, 1 or 2,

c is 0 or 1,

10 d is 0, 1 or 2,

z is an integer from 3 to 10,

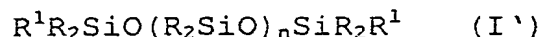
e, f, g, h, k and l are each 0 or a positive integer,

15 with the proviso that if h and k are each a positive integer and l is 0, the structural elements V are bonded exclusively to the structural elements VI, and

20 that if h is 0 and l is a positive integer, the structural elements VII are bonded to the structural elements VI,

in the presence of catalysts (3) which promote the addition of Si-bonded hydrogen onto aliphatic double bond.

25 2. The use as claimed in claim 1, characterized in that α,ω -dialkenylsiloxane polymers (1) used are those of the general formula



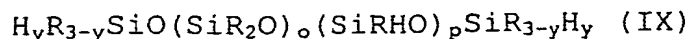
where R, R¹ and n are as defined in claim 1.

30

3. The use as claimed in claim 2, characterized in that α,ω -dialkenylsiloxane polymers (1) used are α,ω -divinylpolydimethylsiloxanes.

35 4. The use as claimed in claim 1, characterized in that as organosilicon compound (2) use is made of that of

the general formula



where R is as defined above,

y is 0, 1 or 2,

5 o is 0 or an integer from 1 to 1500 and

p is an integer from 1 to 200,

with the proviso that there are at least 3 Si-bonded
hydrogen atoms per molecule.

- 10 5. The use as claimed in any one of claims 1 to 4,
characterized in that use is made as crosslinkable
silicone coating compositions of those comprising
(A) organosilicon compounds having radicals
containing aliphatic carbon-carbon multiple
15 bonds,
(B) organosilicon compounds containing Si-bonded
hydrogen atoms,
(C) catalysts which promote the addition of Si-
bonded hydrogen onto aliphatic multiple bond,
20 and if desired
(D) inhibitors.
6. A crosslinkable silicone coating composition
featuring reduced aerosol formation, comprising
25 (X) antimisting additives as set forth in any one
of claims 1 to 4,
(A) organosilicon compounds having radicals
containing aliphatic carbon-carbon multiple
bonds,
30 (B) organosilicon compounds containing Si-bonded
hydrogen atoms,
(C) catalysts which promote the addition of Si-
bonded hydrogen onto aliphatic multiple bond,
and if desired
35 (D) inhibitors.

7. A shaped body produced by crosslinking the compositions of claim 6.
8. The shaped body as claimed in claim 7, characterized
5 in that it is a coating.
9. The shaped body as claimed in claim 8, characterized
in that it is a coating which repels tacky
substances.
10. A process for producing coatings by applying
crosslinkable compositions as claimed in claim 6 to
the surfaces that are to be coated and then
crosslinking the compositions.
11. A process for producing coatings which repel tacky
substances, by applying crosslinkable compositions
as claimed in claim 6 to the surfaces that are to be
made repellent to tacky substances and then
20 crosslinking the compositions.